

Little Traverse Bay Bands of Odawa Indians Job Posting

Job Title: Great Lakes Fisheries Research Specialist
Department: Natural Resources
Reports To: Fisheries Biologist
Status: Non-Exempt
Salary Range: \$31,475-\$42,584. Grant funded for one year with possibility of extension.
Level: 4
Opens: February 27, 2015
Closes: March 20, 2015

SUMMARY

Provides support to the Fisheries Biologist and Natural Resources Department by planning and participating fieldwork, research, experimental fish rearing, data collection, management, and analysis and all aspects of the Cisco Rehabilitation Program.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

Fieldwork and Laboratory

- Conduct fisheries surveys on Lake Michigan using a variety of gear types (gill nets, seines, trawls, neuston nets, hydroacoustics equipment).
- Collect, manage, and analyze biological data (sex, age, maturity, spawning condition, diet, health status) of harvested fish.
- Analyze scale, fin and/or otolith samples for age determination.
- Transport and operate Tribal research vessels.
- Download and archive environmental data and underwater video collected from field.
- Participate in fish tagging and stocking activities.
- Examine otoliths for the presence of chemical markers
- Operate various equipment (GPS, field meters, radios, power tools, etc. as needed).
- Operate computer equipment and technology as relates to job (arcGIS, image pro, Microsoft Excel, Access, and Word, Echoview 5, Visual Habitat, R).

Research

- Participate in the development of methodology to estimate abundance, biomass, and population structure of stocked and wild, adult and juvenile cisco in Lake Michigan
- Assist the Fisheries Biologist in coordinating research design.
- Participate in the design and implementation of experimental aquaculture research to develop gamete collection, fertilization, and rearing techniques for cisco
- Conduct habitat and fisheries assessments using hydroacoustic equipment
- Assist with the development of an annual trawling assessment targeting juvenile cisco and other forage fishes.
- Analyze data, conduct statistical analyses on complex datasets, create publication quality figures and graphs
- Participate in preparation of reports and/or presentations and/or peer-reviewed publications.
- Pursue possible funding opportunities and work in a team to prepare funding or grant proposals.
- Assist Fisheries Biologist with future fish research and management developments.

- Investigate potential fishery enhancement and habitat restoration projects.

Other Duties

- Responsible for maintaining and fisheries equipment (boat, trucks, lab equipment, etc.).
- Monitor inventory and submit supply orders.
- Assist in office coverage as needed.
- Other duties as assigned.

EDUCATION AND EXPERIENCE

Bachelor's degree (B.S.) emphasizing fisheries, biology, natural resource management, environmental science or related field from four-year College or university required. Demonstrated boating experience required. Experience designing and conducting fisheries studies in large lakes strongly preferred. Valid driver's license required. Strong consideration will be given to applicants who have recently completed a graduate program.

PHYSICAL DEMANDS

While performing the duties of this position, the employee will be required to stand, walk, use hands, handle, or feel, reach with hands and arms, climb or balance, swim, stoop, kneel, crouch, or crawl especially when working with fisheries equipment on the lake. The employee must regularly lift and/or move up to 25 pounds, frequently lift and/or move up to 100 pounds, and occasionally lift and/or move more than 100 pounds.

WORK ENVIRONMENT

Will be regularly exposed to wet and/or humid condition and extreme outdoor weather conditions. The employee will be frequently exposed to moving mechanical parts. Occasionally field duties will require traveling long distances in harsh weather.

ADDITIONAL INFORMATION

Must be able to work on the great Lakes in all weather conditions. Must be mechanically inclined so as to be able to maintain and make minor repairs on the fisheries assessment vessel and equipment.

COMMENTS

Indian Preference will apply.